# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

| | | Estimate Cost Rs. | 800000.00 |
|---|---|---|---|

**Name of Work:** Detailed Estimate for the work of Improvments to drains at 13th D cross roads of Eastern side kondappa layout in ward No-02 of yelahanka Sub division.

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15 | cum | | | | | | | |
| | RCC drain | | 1 | 25.00 | 0.90 | 0.80 | 18.00 | | |
| | SSM drain | | 1 | 80.00 | 1.50 | 1.00 | 120.00 | | |
| | for cc road | | 1 | 25.00 | 2.50 | 0.30 | 18.75 | | |
| | | | | | | | 156.75 | 176.04 | 27594.00 |
| | Basic Rate | 163.00 | | | | | | | |
| | Area Weightage @ 8% | 13.04 | | | | | | | |
| | **Total** | **176.04** | | | | | | | |
| 2 | KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15) | cum | | | | | | | |
| | | | Vide Item No. 1 | | | | 156.75 | 79.10 | 12399.00 |
| | Basic Rate for loading and unloading | 63.00 | | | | | | | |
| | Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4 | 10.24 | | | | | | | |
| | | 73.24 | | | | | | | |
| | Area Weightage @ 8% | 5.86 | | | | | | | |
| | **Total** | **79.10** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 3 | KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15 | Cum | | | | | | | |
| | for drain | | 1 | 25.00 | 0.75 | 0.15 | 2.81 | | |
| | for SSM drain | | 1 | 80.00 | 1.40 | 0.15 | 16.80 | | |
| | road | | 1 | 25.00 | 2.50 | 0.15 | 9.38 | | |
| | | | | | | | **28.99** | **5064.12** | **146796.00** |
| | Basic Rate | 4689.00 | | | | | | | |
| | Area Weightage @ 8% | 375.12 | | | | | | | |
| | **Total** | **5064.12** | | | | | | | |
| 4 | KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6 SR 2014-15 | Cum | | | | | | | |
| | SSM drain | | 2 | 80.00 | 0.45 | 1.00 | 72.00 | | |
| | | | | | | | **72.00** | **3836.16** | **276204.00** |
| | Basic Rate | 3552.00 | | | | | | | |
| | Area Weightage @ 8% | 284.16 | | | | | | | |
| | **Total** | **3836.16** | | | | | | | |
| 5 | Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.0 SR 2014-15 | sqm | | | | | | | |
| | SSM drain | | 2 | 80.00 | | 1.00 | 160.00 | | |
| | | | | | | | **160.00** | **91.80** | **14688.00** |
| | Basic Rate | 85.00 | | | | | | | |
| | Area Weightage @ 8% | 6.80 | | | | | | | |
| | **Total** | **91.80** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 6 | KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15 | Cum | | | | | | | |
| | for rcc drain bed | | 1 | 25.00 | 0.75 | 0.10 | 1.88 | | |
| | | | 2 | 25.00 | 0.10 | 0.60 | 3.00 | | |
| | coping for SSM wall | | 2 | 80.00 | 0.45 | 0.10 | 7.20 | | |
| | vent | | 1 | 80.00 | 0.45 | 0.075 | 2.70 | | |
| | | | | | | | **14.78** | **6065.28** | **89615.00** |
| | Basic Rate | 5616.00 | | | | | | | |
| | Area Weightage @ 8% | 449.28 | | | | | | | |
| | **Total** | **6065.28** | | | | | | | |
| 7 | KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15 | Quintal | | | | | | | |
| | **70 kg/cum** | | 0.700 | 4.88 | | | 3.41 | | |
| | | | | ***4.88*** | | | **3.41** | **7254.80** | **24757.00** |
| | Basic Rate | 7254.80 | | | | | | | |

| Sl No | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 8 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15 | sqm | | | | | | | |
| | side walls | 1x4 | 4 | 25.00 | | 0.60 | 60.00 | | |
| | | | | | | | **60.00** | **292.68** | **17561.00** |
| | Basic Rate | 271.00 | | | | | | | |
| | Area Weightage @ 8% | 21.68 | | | | | | | |
| | **Total** | **292.68** | | | | | | | |
| 9 | KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum ), . No. 171/ Item No. 22.6.1 SR 2014-15 | Cum | | | | | | | |
| | for road | | 1 | 25.00 | 2.50 | 0.10 | 6.25 | | |
| | | | | | | | **6.25** | **5896.80** | **36855.00** |
| | Basic Rate | 5460.00 | | | | | | | |
| | Area Weightage @ 8% | 436.80 | | | | | | | |
| | **Total** | **5896.80** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 171 Item No 22.7 SR 2014-15 | Sqm | | | | | | | |
| | | | 1 | 25.00 | 2.50 | | 62.50 | | |
| | | | | | | | **62.50** | **97.20** | **6075.00** |
| | Basic Rate | 90.00 | | | | | | | |
| | Area Weightage @ 8% | 7.20 | | | | | | | |
| | **Total** | **97.20** | | | | | | | |
| 11 | RCC Precast covering slab for drain (10cm thick ) | sqm | | | | | | | |
| | | | 1 | 25.00 | 0.90 | | 22.50 | | |
| | | | 1 | 78.00 | 0.90 | | 70.20 | | |
| | | | | | | | 92.70 | **1498.00** | **138865.00** |
| | **Rate Approved by BBMP** | **1498.00** | | | | | | | |
| 12 | 1% of Quality control charges | | | | | | | | 8000.00 |
| 13 | Miscellaneous charges | | | | | | | | 591.00 |
| | | | | | | | | **Total** | **800000.00** |
| **(Rupees Eight Lakhs Only)** | | | | | | | | | |

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Ramakrishna
**Assistant Engineer**

**Assistant Executive Engineer**
**Yelahanka Sub Division**
**Bangalore-64**

**Executive Engineer**
**Yelahanka Division**
**Bangalore-64**

Administrative Sanction for Rs. 8.00 lakh
Eight Lakhs only
is accorded under head P. 1771
2014-15
Registered as CE No. ..... Subject to conditions contained in enclosed memo No EE/YNK/AA/25/14-15 Dt 27.10.14

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 8.00 lakh
Rupees Eight Lakh only
Under P. 1771 - 2014-15
Registered as CE ( ) No. ..... 9 9
Subject to conditions contained in enclosed memo EE ( ) No ...../9
Dt ..... Estimate / Sanctioned
EE/YNK/TS/50/14-15 No
Dated 28-10-14 Rs. 8.00 lakh

Executive Engineer

NAME OF WORK:- IMPROVEMENTS TO DRAINS @ 13TH CROSS ROADS OF EASTERN SIDE KONDAPPA LAYOUT IN WNO. 02 OF YNK, SUB D